

PAGE: 1

# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/456,693

 DATE: 12/27/1999  
 TIME: 12:34:21

Input Set: I456693.RAW

**ENTERED**

This Raw Listing contains the General Information  
 Section and up to first 5 pages.

1 <110> APPLICANT: Dasa Lipovsek  
 2 <120> TITLE OF INVENTION: PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS  
 3 AND OTHER BINDING PROTEINS  
 4 <130> FILE REFERENCE: 50036/021002  
 5 <140> CURRENT APPLICATION NUMBER: US/09/456,693  
 6 <141> CURRENT FILING DATE: 1999-12-09  
 7 <150> EARLIER APPLICATION NUMBER: 60/111,737  
 8 <151> EARLIER FILING DATE: 1998-12-10  
 9 <160> NUMBER OF SEQ ID NOS: 21  
 10 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 11 <210> SEQ ID NO 1  
 12 <211> LENGTH: 122  
 13 <212> TYPE: DNA  
 14 <213> ORGANISM: Homo sapiens  
 15 <400> SEQUENCE: 1  
 16 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc 60  
 17 atcaccatca cgtttctgat gttccgaggg acctggaagt tggtgctgcg acccccacca 120  
 18 gc 122  
 19 <210> SEQ ID NO 2  
 20 <211> LENGTH: 104  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Homo sapiens  
 23 <400> SEQUENCE: 2  
 24 ggaattccta atacgactca ctatagggac aattactatt tacaattaca atggtttctg 60  
 25 atgttccgag ggacctggaa gttgttgctg cgacccccac cagc 104  
 26 <210> SEQ ID NO 3  
 27 <211> LENGTH: 126  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Homo sapiens  
 30 <220> FEATURE:  
 31 <221> NAME/KEY: misc\_feature  
 32 <222> LOCATION: (1)...(126)  
 33 <223> OTHER INFORMATION: n = A,T,C or G  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: misc\_feature  
 36 <222> LOCATION: (1)...(126)  
 37 <223> OTHER INFORMATION: s = C or G  
 38 <400> SEQUENCE: 3  
 39 agcggatgcc ttgtcgctcg ctgccttgta gtcgctcttc cctgtttctc cgtaagtgat 60  
 40 cctgtaatat ctsnnnnnnn nnnnnnnnn snccagctg atcagtaggc tgggtgggggt 120  
 41 cgcagc 126  
 42 <210> SEQ ID NO 4  
 43 <211> LENGTH: 62  
 44 <212> TYPE: DNA

W--&gt;

PAGE: 2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/456,693

DATE: 12/27/1999  
TIME: 12:34:21

Input Set: I456693.RAW

```

45 <213> ORGANISM: Homo sapiens
46 <400> SEQUENCE: 4
47     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc cctgtttctc cgtaagtgat   60
48     cc                                                                    62
49 <210> SEQ ID NO 5
50 <211> LENGTH: 99
51 <212> TYPE: DNA
52 <213> ORGANISM: Homo sapiens
53 <400> SEQUENCE: 5
54     ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc   60
55     atcaccatca cctcttcaca ggaggaaata gccctgtcc                          99
56 <210> SEQ ID NO 6
57 <211> LENGTH: 132
58 <212> TYPE: DNA
59 <213> ORGANISM: Homo sapiens
60 <220> FEATURE:
61 <221> NAME/KEY: misc_feature
62 <222> LOCATION: (1)...(132)
63 <223> OTHER INFORMATION: n = A,T,C or G
64 <220> FEATURE:
65 <221> NAME/KEY: misc_feature
66 <222> LOCATION: (1)...(132)
67 <223> OTHER INFORMATION: s = C or G
68 <400> SEQUENCE: 6
69     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccagggtt   60
W--> 70     aaggccgctg atggtagctg tsnnnsnnnn snnaggcaca gtgaactcct ggacagggct   120
71     atttctctct gt                                                         132
72 <210> SEQ ID NO 7
73 <211> LENGTH: 64
74 <212> TYPE: DNA
75 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 7
77     agcggatgcc ttgtcgtcgt cgtccttgta gtcgctcttc gtataatcaa ctccagggtt   60
78     aagg                                                                    64
79 <210> SEQ ID NO 8
80 <211> LENGTH: 101
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 8
84     ggaattccta atacgactca ctatagggac aattactatt tacaattaca atgcatcacc   60
85     atcaccatca cctcttctat accatcactg tgtatgctgt c                      101
86 <210> SEQ ID NO 9
87 <211> LENGTH: 114
88 <212> TYPE: DNA
89 <213> ORGANISM: Homo sapiens
90 <220> FEATURE:
91 <221> NAME/KEY: misc_feature
92 <222> LOCATION: (1)...(114)
93 <223> OTHER INFORMATION: n = A,T,C or G
94 <220> FEATURE:

```

PAGE: 3

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/456,693

DATE: 12/27/1999  
TIME: 12:34:21

Input Set: I456693.RAW

```

95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (1)...(114)
97 <223> OTHER INFORMATION: s = C or G
98 <400> SEQUENCE: 9
W--> 99      agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattggsnn      60
W--> 100     snnsnnnsnnns nnsnnnsnnsn nsnnnsnnagt gacagcatac acagtgatgg tata      114
101 <210> SEQ ID NO 10
102 <211> LENGTH: 57
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 10
106      agcggatgcc ttgtcgtcgt cgtccttgta gtctgttcgg taattaatgg aaattgg      57
107 <210> SEQ ID NO 11
108 <211> LENGTH: 45
109 <212> TYPE: DNA
110 <213> ORGANISM: T7 phage and tobacco mosaic virus
111 <400> SEQUENCE: 11
112      gcgtaatacg actcactata gggacaatta ctatttacia ttaca      45
113 <210> SEQ ID NO 12
114 <211> LENGTH: 33
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Flag sequence
119 <400> SEQUENCE: 12
120      agcggatgcc ttgtcgtcgt cgtccttgta gtc      33
121 <210> SEQ ID NO 13
122 <211> LENGTH: 19
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Splint oligonucleotide
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (1)...(19)
130 <223> OTHER INFORMATION: n = A,T,C or G
131 <400> SEQUENCE: 13
W--> 132     ttttttttttn agcggatgc      19
133 <210> SEQ ID NO 14
134 <211> LENGTH: 20
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Puromycin linker oligonucleotide
139 <400> SEQUENCE: 14
140      aaaaaaaaaa aaaaaaaaaacc      20
141 <210> SEQ ID NO 15
142 <211> LENGTH: 30
143 <212> TYPE: DNA
144 <213> ORGANISM: Mus musculus

```

PAGE: 4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/456,693DATE: 12/27/1999  
TIME: 12:34:21

Input Set: I456693.RAW

|     |   |    |
|-----|---|----|
| 145 | <400> SEQUENCE: 15                              |    |
| 146 | gcggcagggt ttgcttactg gggccaaggg                | 30 |
| 147 | <210> SEQ ID NO 16                              |    |
| 148 | <211> LENGTH: 27                                |    |
| 149 | <212> TYPE: DNA                                 |    |
| 150 | <213> ORGANISM: Mus musculus                    |    |
| 151 | <400> SEQUENCE: 16                              |    |
| 152 | gggaggggtg gaggtaggtc acagtcc                   | 27 |
| 153 | <210> SEQ ID NO 17                              |    |
| 154 | <211> LENGTH: 30                                |    |
| 155 | <212> TYPE: DNA                                 |    |
| 156 | <213> ORGANISM: Mus musculus                    |    |
| 157 | <400> SEQUENCE: 17                              |    |
| 158 | tttgctagct ttaccaggag agtgggaggg                | 30 |
| 159 | <210> SEQ ID NO 18                              |    |
| 160 | <211> LENGTH: 33                                |    |
| 161 | <212> TYPE: DNA                                 |    |
| 162 | <213> ORGANISM: Mus musculus                    |    |
| 163 | <400> SEQUENCE: 18                              |    |
| 164 | aaaaagcttg ccaaaacgac acccccatct gtc            | 33 |
| 165 | <210> SEQ ID NO 19                              |    |
| 166 | <211> LENGTH: 33                                |    |
| 167 | <212> TYPE: DNA                                 |    |
| 168 | <213> ORGANISM: Mus musculus                    |    |
| 169 | <400> SEQUENCE: 19                              |    |
| 170 | catatggttt ctgatattcc gagagatctg gag            | 33 |
| 171 | <210> SEQ ID NO 20                              |    |
| 172 | <211> LENGTH: 43                                |    |
| 173 | <212> TYPE: DNA                                 |    |
| 174 | <213> ORGANISM: Mus musculus                    |    |
| 175 | <400> SEQUENCE: 20                              |    |
| 176 | catatgcatc accatcacca tcacgtttct gatattccga gag | 43 |
| 177 | <210> SEQ ID NO 21                              |    |
| 178 | <211> LENGTH: 30                                |    |
| 179 | <212> TYPE: DNA                                 |    |
| 180 | <213> ORGANISM: Mus musculus                    |    |
| 181 | <400> SEQUENCE: 21                              |    |
| 182 | gaattcctat gttttataat tgatggaaac                | 30 |

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/456,693DATE: 12/27/1999  
TIME: 12:34:21

Input Set: I456693.RAW

| Line | ? Error/Warning                       | Original Text                             |
|------|---------------------------------------|---|
| 40   | W "N" or "Xaa" used: Feature required | cctgtaatat ctsnnsnnsn nsnnsnnsnn snnccagc |
| 70   | W "N" or "Xaa" used: Feature required | aaggccgctg atggtagctg tsnnsnnsnn snnaggca |
| 99   | W "N" or "Xaa" used: Feature required | agcggatgcc ttgtcgtcgt cgtccttgta gtctgttc |
| 100  | W "N" or "Xaa" used: Feature required | snnsnnsnns nnsnnsnnsn nsnnsnnagt gacagcat |
| 132  | W "N" or "Xaa" used: Feature required | tttttttttn agcggatgc                      |